

ABSTRACT

In order to provide a liquid ejection head which enables ejection of a droplet at a higher frequency, according to the invention, a piezoelectric vibrator 18 has a multilayer structure. In the multilayer structure, an upper piezoelectric layer 24 and a lower piezoelectric layer 25 are laminated one on another. A drive electrode 23 is formed at a boundary between the upper piezoelectric layer 24 and the lower piezoelectric layer 25 and is electrically connected to a source for supplying a drive signal. An upper common electrode 26 is formed on the surface of the upper piezoelectric layer 24. A lower common electrode 27 is formed on the surface of the lower piezoelectric layer 25. An inertance of a nozzle orifice 10 and an inertance of an ink supply port 5 are set so as to become greater than an inertance of a pressure generating portion 6, 13, 16.